

1892. Illustrated Catalogue 1892.

—OF—

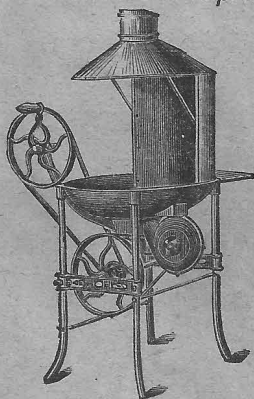
POTTS & WEBER,

LANCASTER, PA., U. S. A.,

Manufacturers of Improved

Portable Forges,

DRILL PRESSES,



TIRE BENDERS,

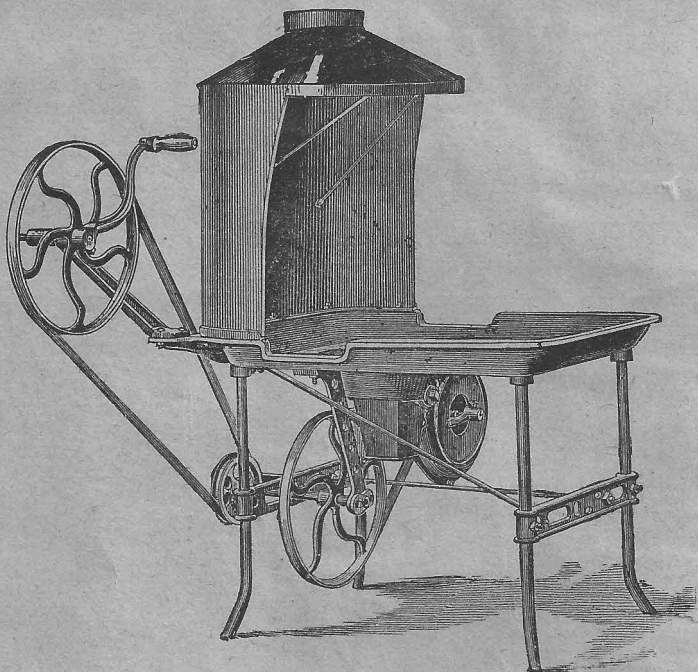
Crank & Lever Blowers

*Upsetters, Swadges, Vises, Cone Mandrels,
Tuyere Irons, Bolt Clippers, Screw
Plates, Taps and Dies, Twist
Drills, Hammers, Tongs,*

—AND—

Blacksmiths' Tools in General.

SEND FOR DISCOUNTS.



No. 1 Crank Forge.

Size of bed pan, 30x40 inches. Height, 30 inches. Fan case, 16 inches. Weight 250 lbs.

Has a flange on pulley of lower shaft to prevent belt running off. Has a deep and large fire box, with ball tuyere iron. It is well adapted for heavy carriage and blacksmith work, as it produces a powerful blast.

Price, \$50. With Water Tank, \$55.

Discount,



No. 2 Crank Forge.

Hearth, 21x28 inches. Height, 30 inches. Fan, 12 inches.
Weight, 160 lbs.

Has the ball tuyere iron. Pulley on lower shaft has flanges
to prevent belt running off. Strong and durable and suited for
heavy work.

Price, \$40.

Discount.....



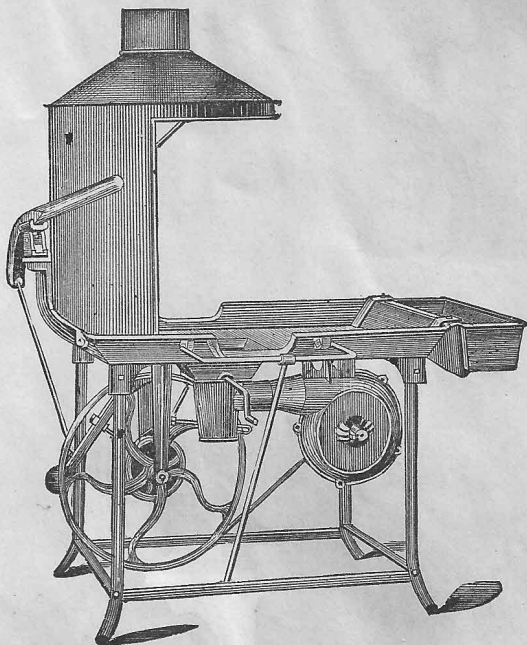
No. 3 Crank Forge.

Hearth, 19 inches. Height, 30 inches. Fan case, 9 inches.
Weight, 120 pounds.

It is constructed the same as No. 2 and is furnished with full, half or quarter hood, as desired. Runs easy and produces a strong blast.

Price. \$27.

Discount,.....



No. 1 Giant Lever Forge.

Patented January 10, 1888.

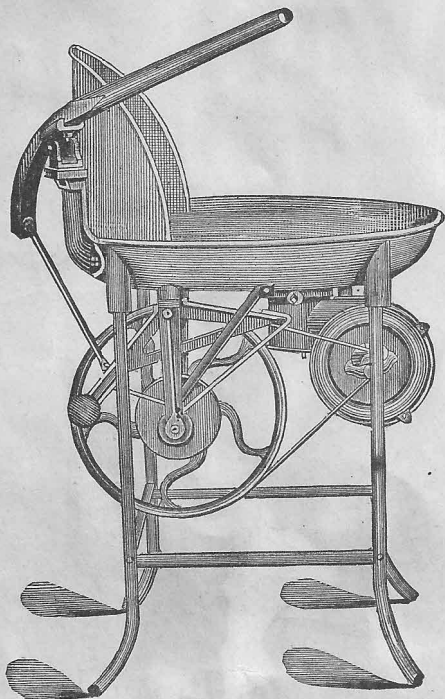
Hearth, 28x40 inches. Height, 30 inches. Fan case, 14 inches. Weight, 250 lbs.

Has our patent friction grip. Is noiseless and is adapted for carriage and blacksmith shops. It is strongly built and will do heavy work.

Has no leather lined dogs for a clutch, on which resin or chalk is needed to make it hold, but has a grip that cannot slip.

Price, \$50. With Water Tank, \$55.

Discount,.....



No. 2 Giant Lever Forge.

Patented January 10, 1888.

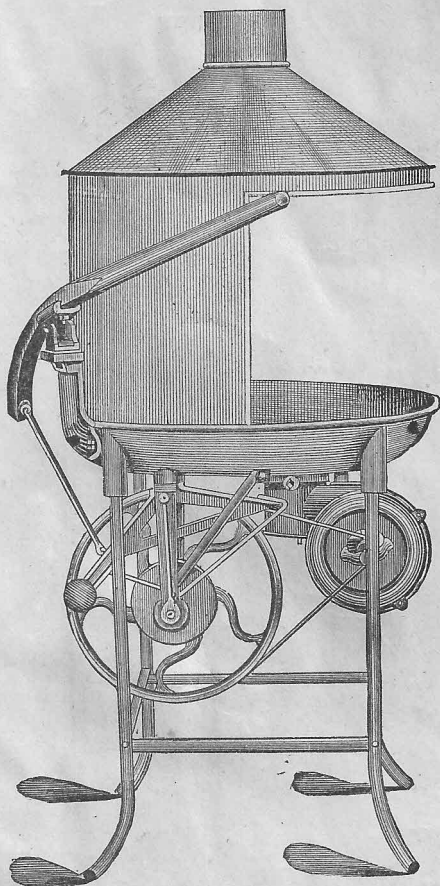
Hearth, 21x27 inches. Height, 30 inches. Fan 10 inches. It is made with the ball tuyere iron. Is especially adapted to boiler makers, railroad contractors, rivet heaters, etc.

Has no leather lined dogs for a clutch on which resin or chalk is required to make it hold, but has an iron grip that cannot slip.

Price, \$36.

Discount,.....

Has no leather lined dogs for a clutch, on which resin or chalk is required to make it hold, but has an iron grip, that cannot slip.



It has the ball tuyere iron. Is adapted to the use of boiler makers, contractors, miners, etc.; is neat, runs easy and does good work.

No. 3 Giant Lever Forge, with shield

Patented Jan'y 10, 1888.

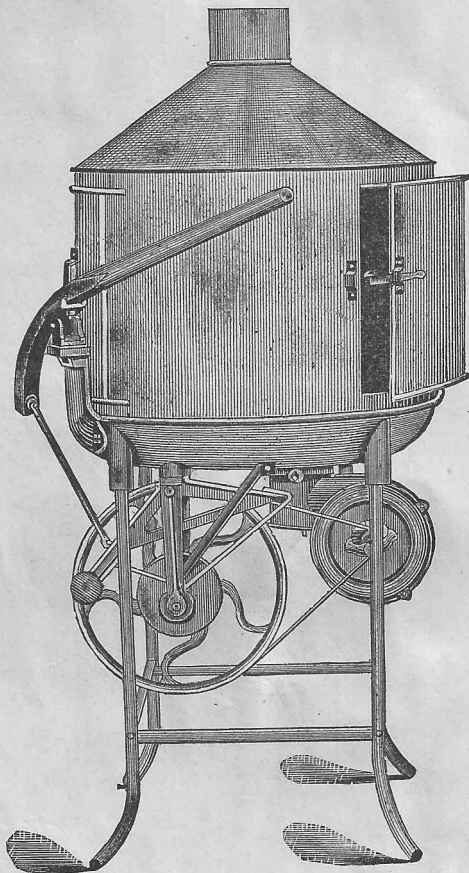
Hearth, 21x27 inches. Height, 30 inches.

Weight, 130 lbs.

Price, \$40.

Discount,.....

Has entirely closed hood, with a door in front and behind, thus preventing the escape of sparks, fumes or smoke when used in factories of any kind. It is made with ball tuyere iron.

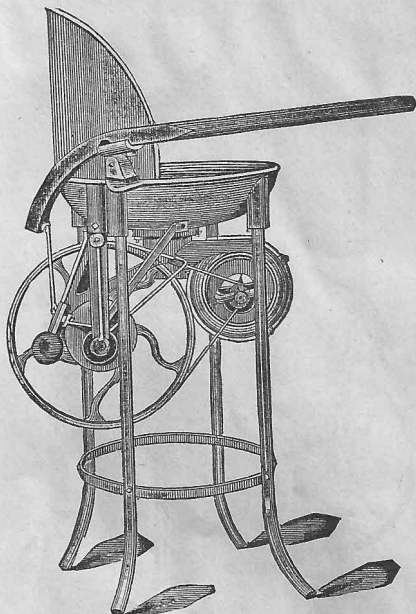


Has no leather lined dogs for a clutch on which resin or chalk is required to make it hold, but has a grip, that cannot slip.

No. 4 Giant Lever Forge.

Hearth 21x27 inches. Height, 30 inches. Fan, 10 inches.
Weight, 140 pounds.

Price, \$42. Discount,.....



No. 5 Giant Lever Forge, WITH SHIELD AND CIRCULAR BRACE.

Patented Jan'y 10, 1888.

Hearth, 18 inches. Height, 33 inches. Fan, 10 inches.
Weight 80 lbs.

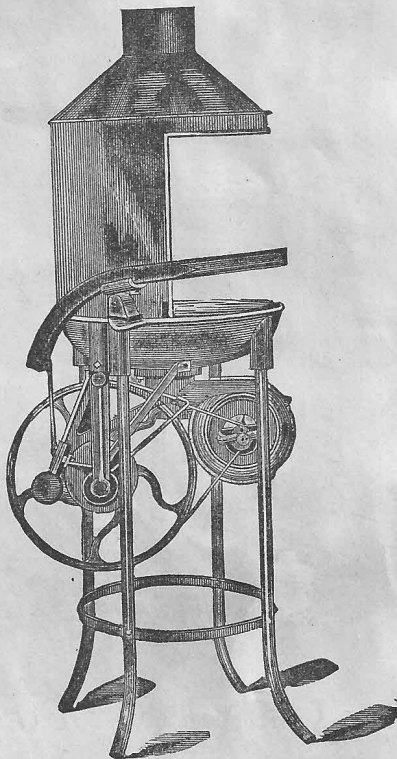
Adapted for the use of tank builders, miners, making repairs on boilers, bridges, etc.. It is light, strong and compact.

Has no leather lined dogs for a clutch on which resin or chalk is required to make it hold, but has a grip that cannot slip

Price, \$24.

Discount,.....

Has no leather lined dogs for a clutch on which resin or chalk is required to make it hold, but has an iron grip, that cannot slip.



This forge is made with ball tuyere iron. It is useful for tempering tools of all kinds. They are used by tin-smiths, jewelers, plumbers, toolmakers, etc.

No. 6 Giant Lever Forge.

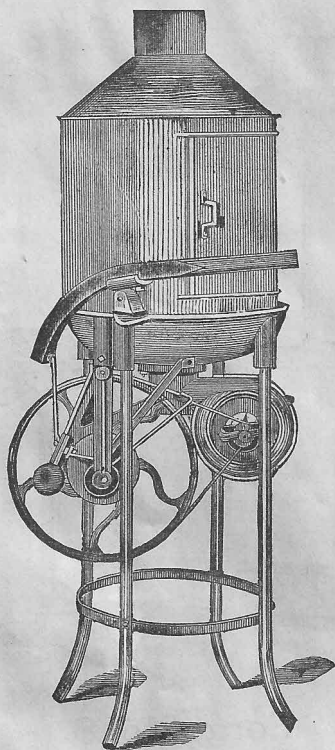
Patented Jan'y 10, 1888.

Hearth, 18 inches in Diameter. Height, 33 inches. Weight, 85 pounds.

Price, \$27.

Discount.....

Has no leather lined dogs for a clutch, on which resin or chalk is required to make it hold, but has an iron grip that cannot slip,



Very useful for tempering tools in factories where combustible material is used, also by jewelers, locksmiths, cabinet and pattern makers.

No. 7 Giant Lever Forge. ENCLOSED HOOD.

Patented January 10, 1888.

Height, 33 inches. Hearth, 18 inches. Weight, 90 lbs.

Price, \$30.

Discount,.....



Forge No. 8.

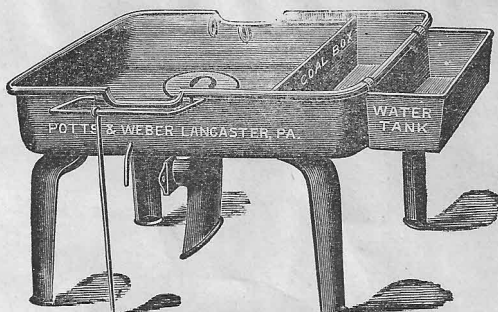
Pan, 28x40 inches. Height, 30 inches.

This Forge is intended for use in shops having power. It is strongly built, cheaper than a brick forge, and is easily moved.

It is well suited to either the bellows or rotary fan blower.

Price, complete,	-	-	-	\$30.
" Less Hood and Water Tank,	-	-	-	\$20.

Discount,.....



FORGE NO. 9.

This stationary blast forge is well adapted for carriage and wagon works and railroad and boiler shops.

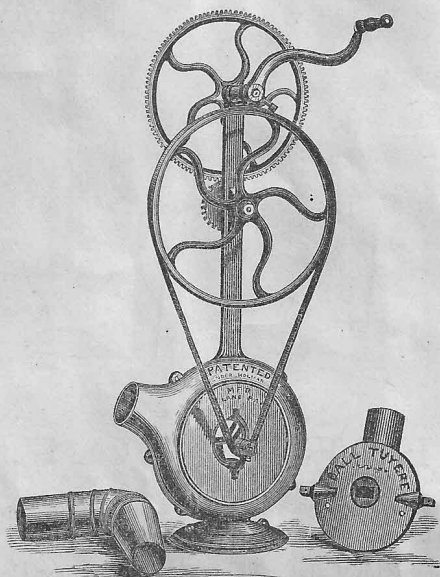
It is strongly built and suitable for the heaviest class of work.

Has a deep fire pan, combining coal and water tanks. Heavy tuyere iron, with blast gate.

Size, 38x54 inches.

Price, \$40.

Discount,.....



The Hurricane Fan Blower,

The hurricane Fan Blower is thoroughly effective, compact, strong and solid in all its actions.

The gears are from machine-cut patterns, fitting so thoroughly that they are like two rollers, revolving one upon another.

With either of our Crank Fans the blast is readily modified while turning to whatever pitch required, though you need not turn fast for any work.

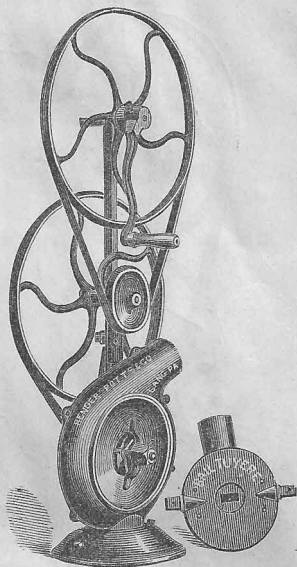
They can be set to any forge, right or left hand : the handle fastens on either side. The case is the same on all of our fans and the shafting is steel.

Hardware men find these fans to be the best in use. When a sale is made it is a permanent one. The blacksmith is invariably pleased and all agree that they will give twice the results of any bellows, without fatigue or producing pain in the side.

We extend the privilege of 30 days trial on any of our fans to responsible parties.

Price, with Ball Tuyere Iron and Pipe, \$20.

Discount.....



The Keystone Fan.

This fan is precisely the same in size as the gear fan, being simple and compact. The cut explains the construction. It has been designed to meet the wants of those desiring a less expensive machine. It is propelled by raw hide belts and has but one shaft, the same as the gear fan. It does good work and has given general satisfaction. The handle can be attached on either side of the shaft and the blower can be set to either right or left hand forge.

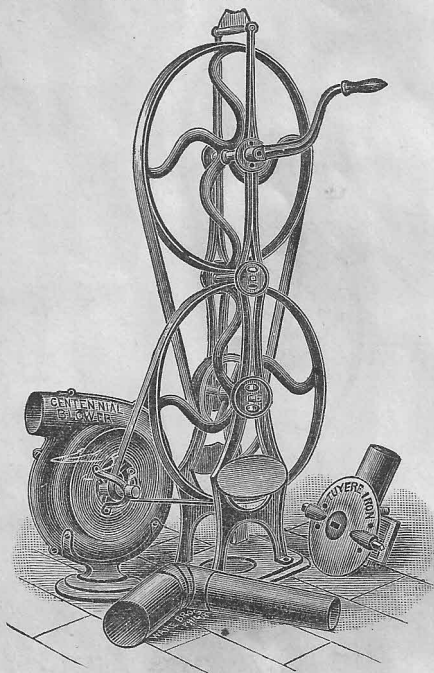
With each fan we furnish a very durable galvanized iron adjustable elbow and pipe for mouth of forge.

The seven inch pulley on lower shaft has flanges, the same as the centennial fan.

We guarantee every crank fan to be built substantially.

Price, with Ball Tuyere Iron and Pipe, \$20.

Discount,.....



No. 1 Centennial Hand Fan Blower.

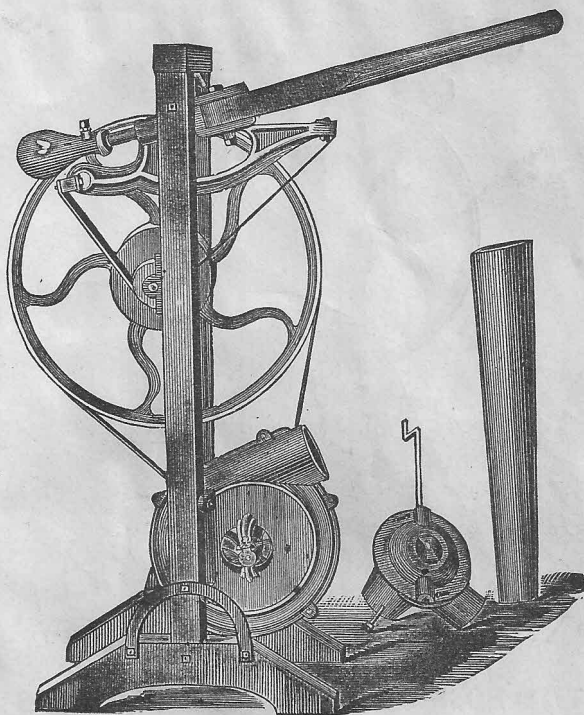
This blower produces a stronger blast, runs easier and is more durable than any crank blower in use. It can be set to right or left hand forge. The seven-inch pulley on lower shaft has flanges to prevent belt running off. Will weld three-and-a-half round iron in two-thirds of the time of an ordinary bellows.

Beware of imitations. The genuine has "Centennial" cast on Fan case and our name on top plate.

MADE IN TWO SIZES.

No. 1,	Fan case 16 inches.	Price, with Tuyere Iron and Pipe,	-	-	-	\$25.
No. 2.	Fan case 13 inches.	Price, with Tuyere Iron and Pipe,	-	-	-	\$20.

DISCOUNT,.....



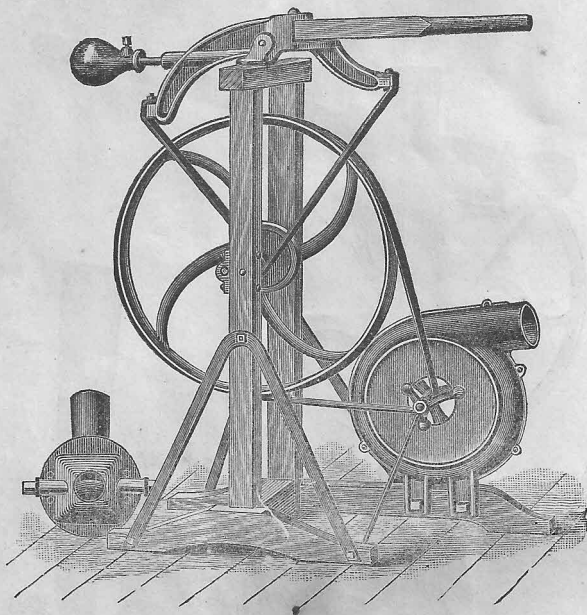
No. 4 Giant Lever Blower.

Patented Jan'y 10, 1888.

The above lever blower is used in blacksmith and carriage shops. It will do fairly heavy work. The blast continues for some time after the lever is at rest. It is strong and well built. Has no leather-lined clutches. Our grip does not slip.

PRICE, \$21.

DISCOUNT,.....



No. 5 Giant Lever Blower.

THE BOSS OF ALL LEVER BLOWERS!

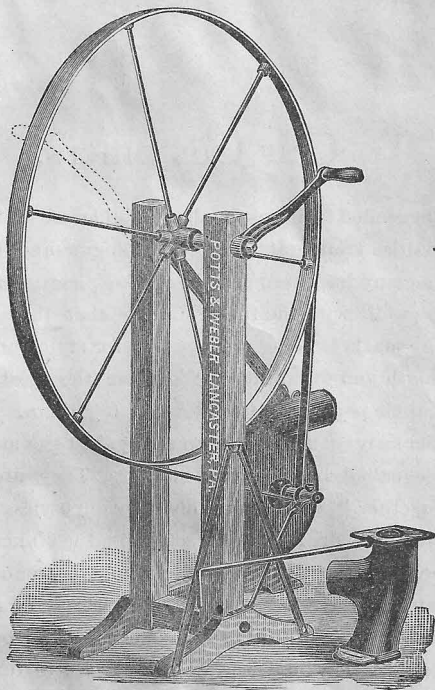
Latest and Best Made.

This blower will do the heaviest kind of work. It is the product of years of experimenting, and we claim it is unequalled. It runs noiseless, is easily operated and has no bearings to wear out and become rickety. Being aware of numerous humbugs on the market, we only ask a trial, and if not satisfactory, your money will be refunded. Our patent friction grip is conceded to be the best ever invented. Size of fan case, 16 inches.

Price, with Tuyere Iron, \$25. Without Tuyere Iron, \$23.

DISCOUNT,.....

DIAMETER OF WHEEL, 44 INCHES.



No. 6 Fan Blower.

The above fan gives a most powerful and steady blast. It is well built, has wrought iron rim and runs very easy. It can be used on either right or left hand fires.

Prico, with Tuyere Iron, \$30, without Tuyere Iron, \$28

DISCOUNT,

To Our Customers.

Having unexcelled facilities for the manufacture of the various line of specialties enumerated in this catalogue and having recently made many improvements, we take pleasure in offering them to the public with the full assurance that they are equal to any on the market, being unsurpassed for style and finish, as well as strength and durability. We have the most flattering evidence of their popularity from those using them.

We particularly caution consumers against the many cheap and trashy so-called drills on the market. They are literally "thrown together," and invariably become useless in a short time. In fact no drill to be practical and useful can be produced without the most careful and skilled workmanship; any money spent on inferior drills is absolutely thrown away.

We solicit correspondence with persons who may be in want of any thing in our line, and will be pleased to furnish you with discounts, terms, etc., on application.

NOTICE.—In ordering goods state year of Catalogue and give number of page.

POTTS & WEBER,

LANCASTER, PA.

No. 1 Upright Self-Feeding Drill.

Designed for carriage-makers and heavy blacksmith work. This drill has the automatic feed, a Swing Table 11 inches in diameter. Length of spindle 15 inches and $1\frac{1}{4}$ inches in diameter. Distance from spindle to table 22 inches. Crank can be shifted from shaft, A, to balance wheel shaft, B, thus increasing the power for heavy work. Crank has forward motion on both shafts. Balance wheel shaft can be disconnected by slipping the intermediate gear.

We can furnish our Little Giant Chuck with each drill with arbor ready for attaching. This Chuck holds straight Shank Drills $\frac{1}{8}$ to $\frac{1}{2}$ inch, and saves its price soon in cost of drills.

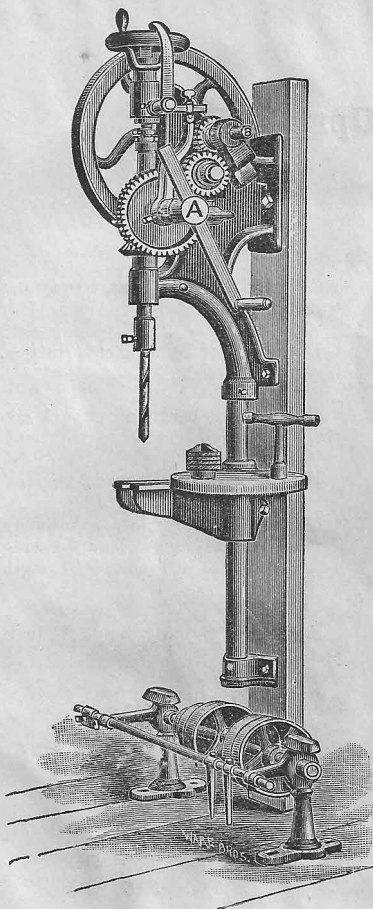
Cone pulleys and countershafts furnished upon application, for Nos. 1, $1\frac{1}{2}$, 3, 4 and 5 Drills.

Will drill hole to centre of 16 inch circle, $4\frac{1}{2}$ inches deep and $1\frac{1}{4}$ in diameter. Has three rates of speed.

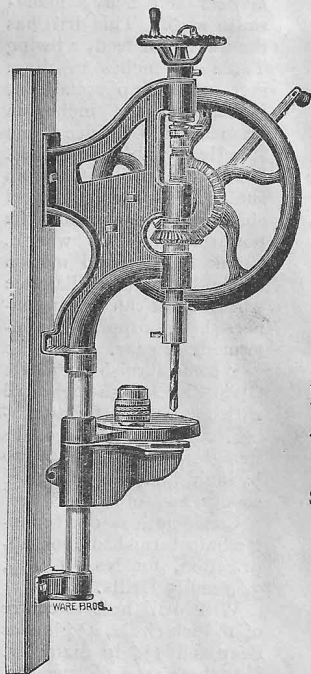
Weight, 185 pounds. Length, 66 inches.

Price for Hand-Power, \$45 00
 " " Power, 48 00

Discount,.....



No. 1 $\frac{1}{2}$ Upright Drill.



This Drill is very neat, strong and well finished.

Diameter, of Spindle $1\frac{1}{8}$ inches.
Length 12 inches.

Will drill to centre of 11 inch circle, $2\frac{1}{2}$ inches deep.

Has three rates of speed.

Distance from Spindle to table 12 inches. It has the Automatic Swing Table, 8 inches in diameter, Length 47 inches.

Socket on Spindle holds $\frac{1}{2}$ inch Shank Drills.

Weight, 115 pounds.

Price, Hand	\$25 00
" Power,	28 00

Discount,.....

No. 2 $\frac{1}{2}$ Drill.

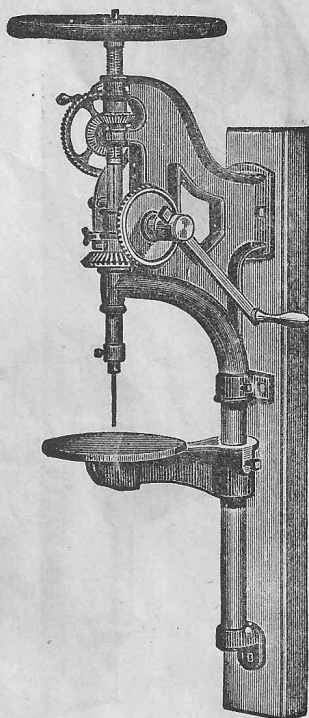
This Drill is Strong and Durably Constructed, runs Very Easy and will do Good Work.

Has the Automatic Swing and Feed Table. Drills to centre of 14 inch circle. Drill Socket takes in half inch Shank Twist Drill.

Has a large Fly-Wheel.

Length, 54 inches. Weight 130 pounds.

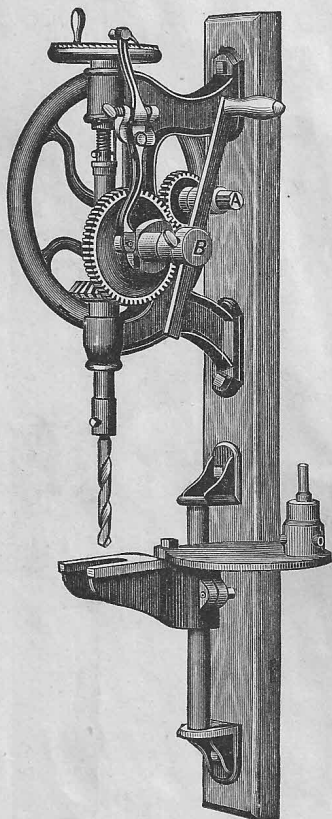
Runs Noiseless and is Very Neat and Strong.



Price, \$30 00

Discount

No. 3 Upright Self-Feeding Drill.



Constructed with all the Late Improvements in the Neatest and most Durable Manner.

Drills to the centre of 15 inch circle. Spindled bored to take $\frac{1}{2}$ inch Shank Drill.

When Ordered with Power Attachment, Pulleys are fitted on outer end of Shaft "A."

Diameter of Pulleys, 7 inches.

Has Strong Back Gear for Heavy Work.

Length, 54 inches. Weight, 185 pounds.

Price	\$45 00
" with pulleys	.52 00

Discount.....

No. 4 Upright Drill.

It is adapted for General Blacksmith Work.

Diameter of Spindle, $1\frac{1}{4}$ inches and 12 inches long.

Drills a hole in centre of 11 inch circle, and $2\frac{1}{2}$ inches deep. Drills up $1\frac{1}{8}$ holes.

Distance from Spindle to Table 20 inches.

The Drill Socket takes in $\frac{1}{2}$ inch Drills.

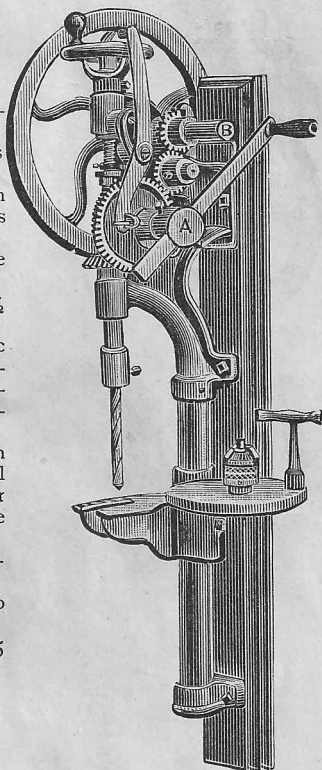
This Drill has the Automatic Feed and Swing Table. The Balance Wheel Shaft can be disconnected by slipping the Intermediate Gear.

The Crank can be changed from Shaft "A" to the Balance Wheel Shaft "B," thus giving more power for drilling large holes. Has three rates of speed.

The Crank has the forward motion on both shafts.

For Durability and Workmanship this Drill has NO SUPERIOR.

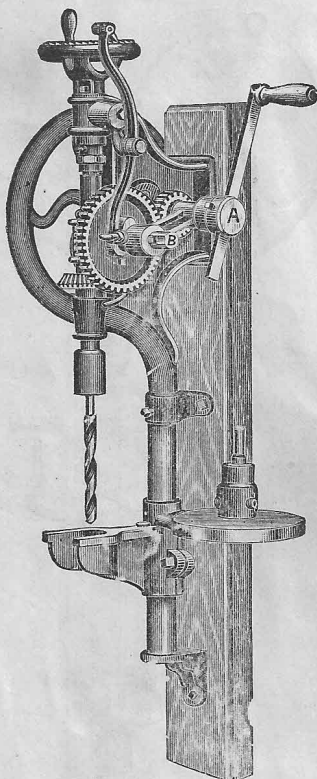
Length, 56 inches. Weight, 135 pounds.



Price for Hand Power	\$35.
With Pulleys,	38.

Discount.....

No. 5 Upright Drill.



Description.

This Machine is Designed for General Blacksmith Work.

Diameter of Spindle $1\frac{1}{4}$ inches, length, 12 inches. By changing the Crank Handle from "B" to "A" the power is greatly increased and saves labor in drilling large holes.

Has three rates of speed.

Has the Automatic Feed and Swing Table. Drills to centre of 11 inch circle. Drill Socket receives $\frac{1}{2}$ inch drills. Drills holes up to $1\frac{1}{8}$ inches.

Arranged for power by putting Pulleys outside of Balance Wheel on shaft "A."

Workmanship and Material are First-Class.

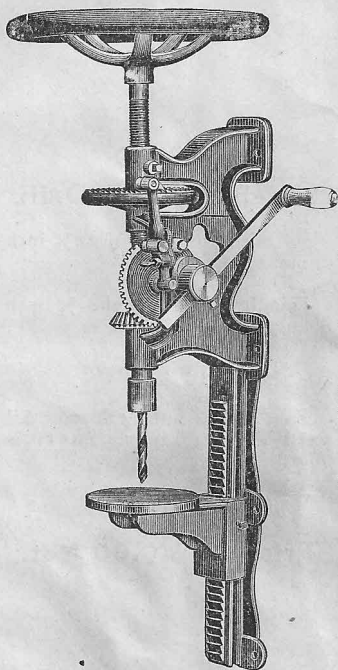
Runs Noiseless and Very Easy.

Length, 45 inches. Weight, 120 pounds.

Price for Hand-Power, \$34.
With Pulleys, 37.

Discount.....

No. 6 Drill.



The Frame is Iron and is cast in one piece.

Spindle has a run of four inches with three changes of speed.

Drills to center of 11 inch circle.

Spindle takes $\frac{1}{2}$ inch Shank Drill. Drills holes up to $\frac{3}{4}$ inch.

Length, 44 inches. Weight, 110 pounds.

Price \$25.00

Discount.....

No. 7 Drill.

\$10.00

Self-Feed Post Drill.

Will drill to center of $14\frac{1}{2}$ inch circle.

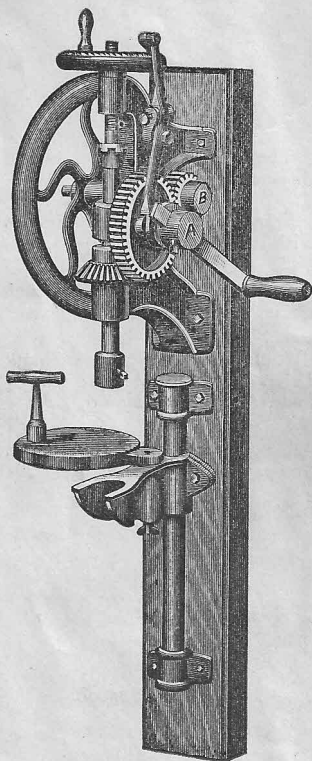
Spindle bored to take $\frac{1}{2}$ inch Shank Drills.

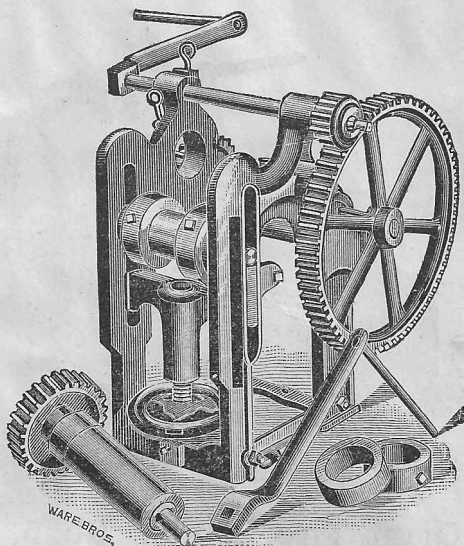
Drills $\frac{1}{8}$ to 1 inch hole.

By shifting handle from "A" to "B" much greater power is obtained.

Weight, 100 pounds.

Price,....\$10.00 Net.





The Patent Giant Tire Bender.

Made in Four Sizes,

This cut represents top roll withdrawn to remove heavy tires. Each roll has collars to guide tires and bend fifth wheels. Two ordinary tires can be bent at once. It has two-speeds, one slow for heavy and one fast for light tires. Rolls are chilled and do not wear. The Adjusting Roll is regulated by one screw, and never twists a tire. When desired we cast frame of extra heavy size SOLID, for heavy work.

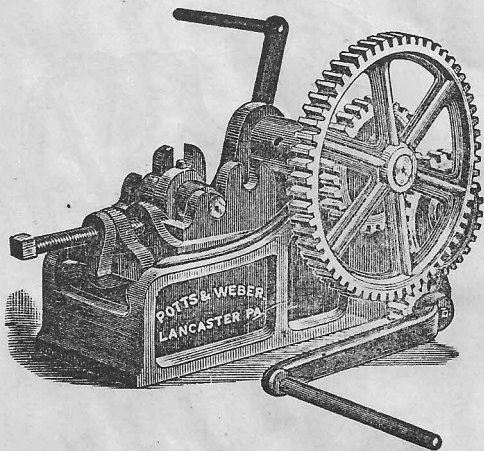
Extra Heavy Size, Bends 6 x 1, Price, \$45.00

No. 1 " " 4 x 1, " 40.00

No. 2 " " 3 x 1, " 30.00

No. 3 " " 3 x $\frac{3}{4}$ " 24.00

Discount.....



Giant Tire Bender, No. 5.

In presenting this new Tire Bender to the trade and public generally, we do so in the fullest confidence, that it will give entire Satisfaction. Two rolls are geared. The Shafts are made out of solid wrought-iron. The top roll can be withdrawn, if necessary. It cannot be surpassed for the price. The pinion shaft is made for two handles.

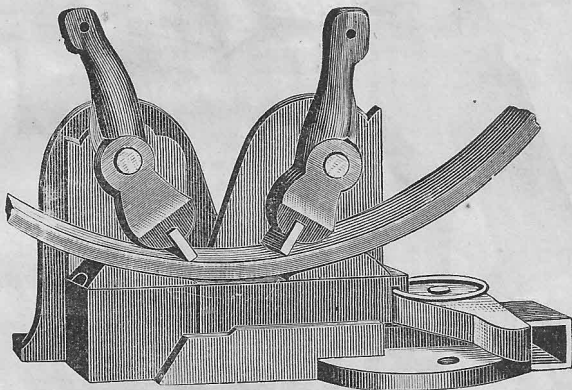
NOTICE.

Imitations of this Machine are on the market with CAST IRON ROLLS. BEWARE OF THEM.

Bends 4 x 1.

Price, \$15.00

Discount



Keystone Upsetter.

Weight, 115 pounds.

In introducing this Machine to the public, we do so, with the full assurance that it will give entire satisfaction.

It has two sets of Milled Steel Blades for Gripping the Tire—one set for thick and one set for light. The studs on which the jaws swing, are made of steel $1\frac{1}{4}$ inch diameter, which are set into a shoulder, and firmly secured by a nut.

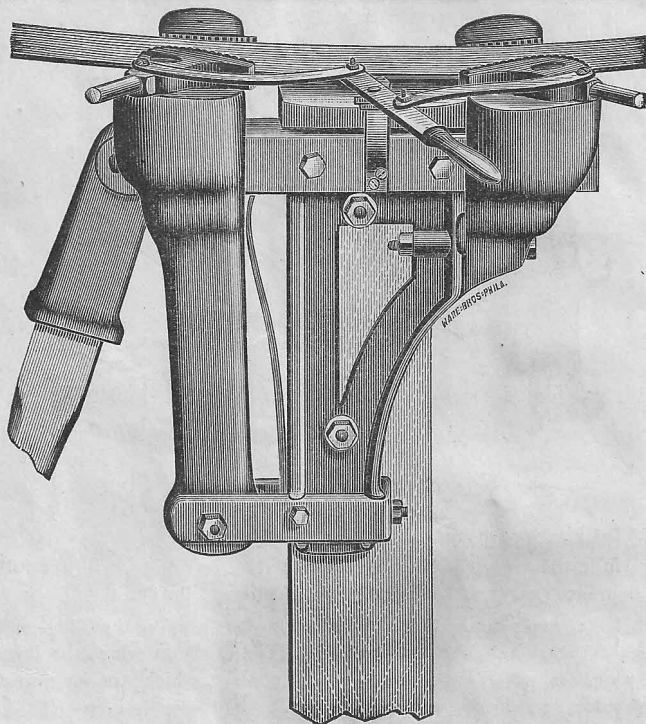
It is strongly built and will upset from $2\frac{1}{2} \times 3\frac{3}{4}$ down to the lightest, and will do even heavier work if soft heats are made. It will upset $1\frac{1}{4}$ square axles. It takes in tires $3\frac{1}{2}$ inches wide.

Notice.

We caution the public to beware of shoddy and cheap upsetters advertised to do almost any heavy work. They have as a rule cast iron jaws, which wear smooth very soon and slip on the tires.

Price \$15.00

Discount,.....



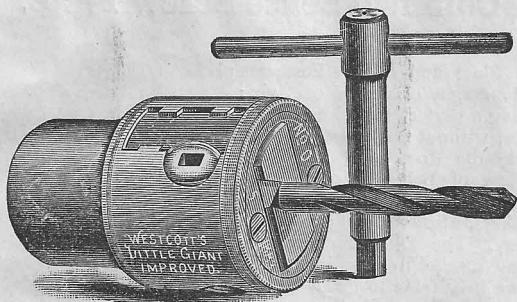
Giant Tire and Axle Upsetting Machine.

Weight 185 pounds.

The above upsetter is now made stronger than ever. It will upset tires 4x1 and axles in proportion. The clamping jaws are made of the best tool steel and teeth milled into each one. The two circular dogs are connected by straps to a handle attached to a fulrum, thus closing and opening them by one movement. It is not necessary to hold on to the handle while shrinking the tire, as this novel feature causes the dogs to grip firmly on any width of tire.

PRICE, \$25.

DISCOUNT,.....

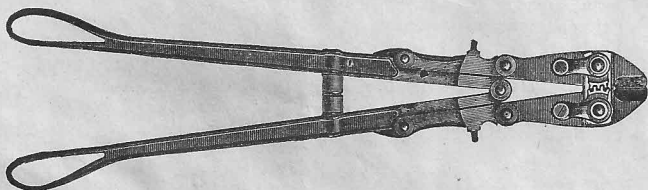


Little Giant Improved Chuck.

No. 0. $2\frac{1}{2}$ inches] in diameter, holds 0 to $\frac{1}{2}$ inch drills. We put into each Chuck a $\frac{1}{2}$ inch arbor, that fits the hole in all our drills. By using this Chuck, its cost is soon saved in price of drills.

Price \$8.00

Discount.....



The Easy Bolt Clipper.

This Clipper is the Best Made, being of the Shear Pattern. It will cut bolts at any angle. It is Rapidly Superceding all other styles.

NOT FOR STEEL.

No. 1, For Bolts $\frac{3}{8}$ and under \$6.00
 No. 2, " " $\frac{1}{2}$ " " 8.00

Discount.....

Common Sense Screw Plate.

This Plate and its Die Possesses all the Advantages of a solid one, viz :

Cutting a perfect thread by once passing over, without raising a burr as the old-style die does, with the additional advantage of being adjustable to the slight difference in size of Taps of various makers, also following up a Tap as it wears. The Die has fewer parts than any other of its class in the market therefore less liable to get out of order. The stock being made of cast steel is very light, yet amply strong to endure all services required of it.

The Die thus held so firmly in its place, cuts easier and lasts longer than any other.

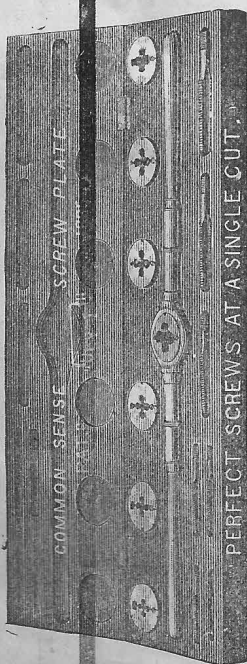
Nuts and Bolts need not be matched. The threads cut are equal to the best lathe work.

Unless otherwise ordered, Taps and Dies are fitted for rough iron, and with V form thread.

Perfect thread at one cut.

Each set put up in a nice wooden case. In Nickel, 50 cents added net.

The Screw Plate for beauty surpasses any plate in the market, and its merit is chiefly in its Solid Die.



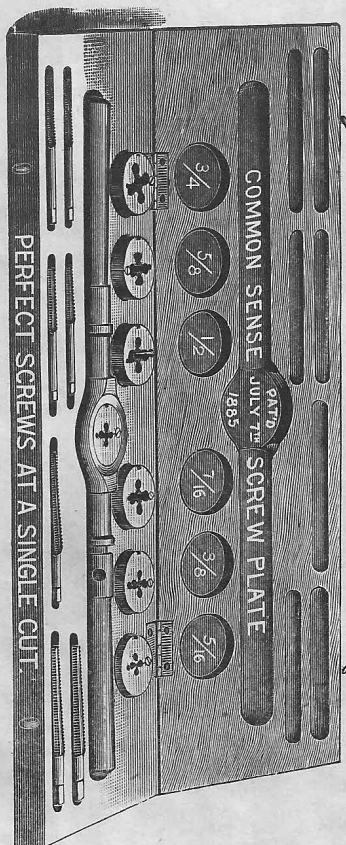
PRICE LIST.

No. 00, Stock	4-32, 5-32, 6-32, 7-32, 8-32,	\$ 6 80
No. 0, Stock	1-32, 2-32, 3-32, 4-32, 5-32, 6-32, 7-32, 8-32..	8 50
No. 1, Stock	1-8, 5-32, 6-32, 7-32, 8-32, in.	8 50
No. 2, Stock,	1-8, 5-32, 6-32, 7-32, 8-32, 5-16, 3-8 in.,	10 00
No. 3, Stock,	1-4, 5-16, 3-8, 7-16, 1-2 in.,	12 00
No. 4, Stock,	5-8, 3-4, 7-8, 1 in.,	15 00
No. 5, Stock,	1-2, 5-8, 3-4, 7-8, 1 in.,	17 50
No. 6, Stock,	1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4 in.,	16-00
No. 7, Stock,	3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 in.	22 00
No. 8, Stock,	1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 in. . .	25 50

Discount.....

Common Sense Screw Plate.

VERY SIMPLE, DURABLE AND NEAT.



GIVES A PERFECT THREAD AT A SINGLE CUT.

 For description, sizes and prices, see following page.

Common Sense Screw Plate.

This Plate and its Die Possesses all the Advantages of a solid one, viz :

Cutting a perfect thread by once passing over, without raising a burr as the old-style die does, with the additional advantage of being adjustable to the slight difference in size of Taps of various makers, also following up a Tap as it wears. The Die has fewer parts than any other of its class in the market therefore less liable to get out of order. The stock being made of cast steel, is very light, yet amply strong to endure all services required of it.

The Die thus held so firmly in its place, cuts easier and lasts longer than any other.

Nuts and Bolts need not be matched. The threads cut are equal to the best lathe work.

Unless otherwise ordered, Taps and Dies are fitted for rough iron, and with V form thread.

Perfect thread at one cut.

Each set put up in a nice wooden case.

The Screw Plate for beauty surpasses any plate in the market, and its merit is chiefly in its Solid Die.

PRICE LIST.

No. 00, Stock 4-32, 5-32, 6-32, 7-32, 8-32,	\$ 7 50
No. 0, Stock 1-32, 2-32, 3-32, 4-32, 5-32, 6-32, 7-32, 8-32,	10 00
No. 1, Stock 1-8, 5-32, 6-32, 7-32, 8-32, in.	8 50
No. 2, Stock, 1-8, 5-32, 6-32, 7-32, 8-32, 5-16, 3-8 in.,	10 00
No. 3, Stock, 1-4, 5-16, 3-8, 7-16, 1-2 in.,	12 00
No. 3½, Stock 3-16, 1-4, 5-16, 3-8, 7-16, 1-2	14 00
No. 4, Stock, 5-8, 3-4, 7-8, 1 in.,	15 00
No. 5, Stock, 1-2, 5-8, 3-4, 7-8, 1 in.,	17 50
No. 6, Stock, 1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4 in.,	16 00
No. 7, Stock, 3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 in.,	22 00
No. 8, Stock, 1-4, 5-16, 3-8, 7-16, 1-2, 5-8, 3-4, 7-8, 1 in.,	25 50

Discount.....

PRICE LIST
—OF—

Straight Twist Drills.

That Can be Used in Our Little Giant Chuck.

1-16	09	5-16	37
3-32	11	11-32	42
1-8	13	3-8	48
5-32	16	13-32	53
3-16	20	7-16	59
7-32	23	15-32	65
1-4	28	1-2	70
9-32	32		

PRICE LIST.
—OF—

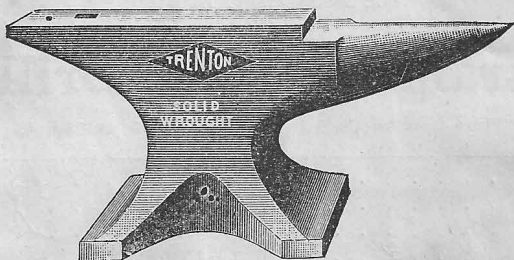
1-2 Inch and 41-64 Inch Shank Drills

That Can be Used in All Our Drill Sockets, and
Also in the Little Giant Chuck.

1-8	45	1-2	1 00
5-32	45	17-32	1 10
3-16	50	9-16	1 20
7 32	55	19-32	1 30
1-4	60	5 8	1 40
9-32	65	21-32	1 50
5-16	70	11-16	1 60
11-32	75	3-4	1 85
3-8	80	13-16	2 15
13-32	85	7.8	2 45
7-16	90	15-16	2 75
15-32	95	1	3 00

Discount,.....

ANVILS.



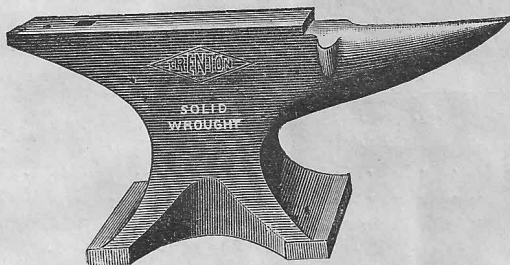
TRENTON AND PETER WRIGHT PATTERNS,

Wrought Iron and Steel Face.

In sizes ranging from 35 to 500 pounds.

Price, per lb.,.....Cts.

Horse Shoers' Anvil.



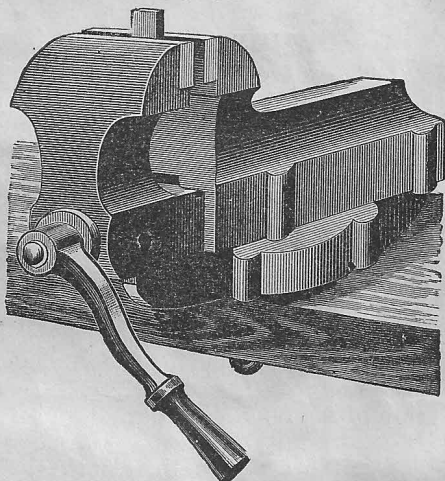
The Trenton Horse Shoers' Anvils are made in weights from 120 to 200 lbs., with face $3\frac{1}{2}$ to 4 inches wide.

We also carry in stock Horse shoers' Anvils without the clip horn, and make to order anvils of all description.

PRICE, Cts. per lb.

MASSEY'S LIGHTNING GRIP VISE.

All engaging parts steel.



The loose jaw can be instantly adjusted and the work firmly fastened with a quarter turn of the handle.

The handle is always out of the way of the workman as it is shown in cut, when vise is in use.

STATIONARY OR SWIVEL BASE.

No. 10.	2½ inch jaws—opens 4 inches.	Price,	\$6 25
No. 11.	3½ inch jaws—opens 5 inches.	Price,	8 50
No. 12.	4½ inch jaws—opens 6 inches.	Price,	11 50
No. 13.	5 inch jaws—opens 6 inches.	Price,	14 00
No. 14.	5½ inch jaws—opens 8 inches.	Price,	17 50
No. 15.	6 inch jaws—opens 9 inches.	Price,	23 00
No. 16.	7 inch jaws—opens 11 inches.	Price,	30 00

LIGHTNING GRIP COACHMAKERS' VISE.

No. 18.	4½ inch jaws—opens 10 inches.	Price,	\$10 00
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Discount,.....

Adjustable Tap and Reamer Wrench.

An "ADJUSTABLE" Tap and Reamer Wrench, AT A REASONABLE PRICE, is what we here Illustrate.

JAWS MADE OF THE BEST TOOL STEEL.

For General Use in Machine Shops, there is no tool which will save your money as fast as a good Tap Wrench. So users cannot afford to be without them.

Because these Wrenches are Cheap in Price, do not think they are cheap in quality. We fully Warrant them equal to any made. They are Light, Strong and Durable. Workmanship of the Highest Order.



Size No. 0. Length, 7 inches, for Taps
 $\frac{1}{16}$ to $\frac{1}{4}$ inch.

Price \$1.50

Size No. 5. Length, 10 $\frac{1}{2}$ inches, for Taps
 $\frac{3}{16}$ to $\frac{1}{2}$ inch.

Price \$2.00

Size No. 6. Length, 15 inches, for Taps
 $\frac{1}{4}$ to $\frac{3}{4}$ inch.

Price \$2.50

Size No. 7. Length, 20 inches, for Taps
 $\frac{3}{8}$ to 1 inch.

Price \$3.50

Size No. 8. Length, 42 inches, for Taps
 $\frac{3}{4}$ to 1 $\frac{1}{2}$ inch.

Price \$7.00

DISCOUNT,.....

BALL Tuyere Iron.

The ball Tuyere Iron after many years' experience, has proved its superiority over all others. It has the revolving ball, allowing the blast to reach the fire in an entire circuit, with a slot through the centre of the ball, which allows the operator to regulate the blast to suit himself. For use with bellows, we make the nozzle smaller to fit mouth of bellows.

Price, \$2.00

Discount,.....

Cone Mandrels.

- No. 1. 10 inches diameter,
45 in. high, weight,
140 lb. \$8.40
150 lbs. \$9.00
- No. 2. 11½ in. diameter, 40
in. high, weight 167
lbs., price, \$9.50
weight, 175 lbs., \$10.00

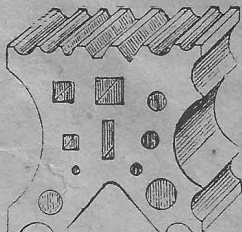
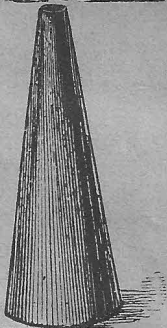
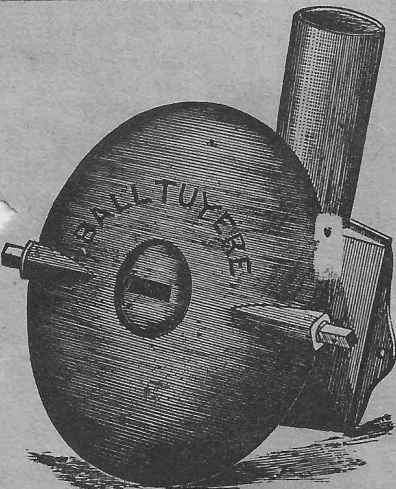
Discount,.....

Swadge Blocks.

- No. 1. Weight, 131 lbs, \$7.75
- No. 2. Weight, 240 lbs., \$11.75

Discount,.....

Has Groove in it.



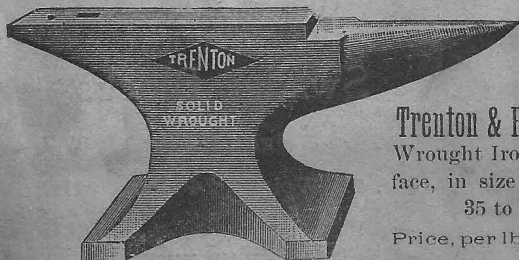
Trenton Solid Box VISES.



PRICE LIST.

No.	Size of Jaw,	Price.
35	3 $\frac{3}{4}$ inch	\$10.00
40	4 "	10.50
45	4 $\frac{1}{2}$ "	11.00
50	4 $\frac{3}{4}$ "	11.50
55	4 $\frac{1}{2}$ "	12.00
60	5 "	13.00
65	5 "	14.00
70	5 $\frac{1}{4}$ "	15.00
75	5 $\frac{1}{2}$ "	16.00
80	5 $\frac{1}{2}$ "	17.50
85	5 $\frac{1}{2}$ "	18.50
90	5 $\frac{3}{4}$ "	20.00
95	5 $\frac{3}{4}$ "	21.00
100	6 "	22.00
110	6 "	24.00
120	6 $\frac{1}{2}$ "	26.00
130	6 $\frac{1}{2}$ "	29.00
140	7 "	33.00
150	7 "	36.00
160	7 $\frac{1}{4}$ "	41.50
170	7 $\frac{1}{4}$ "	44.50

Discount,.....



ANVILS.

Trenton & Peter Wright
Wrought Iron, with Steel
face, in size ranging from
35 to 500 lbs.

Price, per lb.